AMENDMENTS TO THE CLAIMS:

Claim 1. (Amended) A stabilized buoy platform comprising:

- (a) a buoy, float having a support platform for mounting a stabilized platform on the buoy float
- (b) at least one or more active stabilizing heads are mounted to the buoy: a stabilizing system mounted on the platform for stabilizing a singular or a plurality of devices and/or tools from the movement of the buoy float in one, two or three axis which include pitch, roll and azimuth; and
- (c) at least one device which includes at least one of a camera, illumination device, sensor, or tool mounted on at least one stabilizing head and stabilized from the movements of the buoy, and
- (d) wherein the sensor tools is not an antenna with canted arm stabilization found in Royalty U.S. Pat No. 6,859,185.

Claim 2. (Amended) The stabilized buoy platform of claim 1 wherein a second device which includes at least one of a camera, sensor, illumination device or tool is integrated, combined or linked with at least one stabilized device. the device is an image receiving device.

Claim 3. (Amended) The stabilized buoy platform of claim 2 wherein the operation of at least two of the devices are integrated, combined or linked with each other to accomplish at least one of;

- (a) a physical operation or
- (b) sensing with at least one of a camera, sensor, thermal imager, infrared sensor and GPS.

The stabilized buoy platform of claim-1, wherein the image receiving device is selected from the group comprising a camera, sensor, thermal imager, infrared sensor and GPS.

Claim 4 (Amended) The <u>stabilized buoy platform of claim 1 wherein at least one</u>
illumination device emits light or radiation in one or more spectrums or frequencies, and
at least one camera or sensor utilizes the illumination in the act of photographing or sensing, and
at least one of the cameras, sensors or illuminators is mounted on a stabilizing head.

The stabilized platform of claim 1 wherein the device and/or tools emit or projects light,
illumination or radiation in various spectrums or frequencies.

Claim 5. (Amended) The stabilized buoy platform of Claim 1 wherein the device and/or tools emits or projects particles of physical mass including, at least one of but not limited to; water, chemicals, paints, solvents, sand, rock or other projectiles.

Claim 6 (amended) The stabilized buoy platform of claim 1 wherein the device and/or tools are but not limited to; at least one of a paint brush, drill, welding iron and/or gun, and can accomplish—undertake tasks which are but not limited to; include at least one of; painting, drilling, welding, sand blasting, and/or shooting, fire extinguishing, spraying with water, or spraying with chemicals.

Claim 7. (Amended) The stabilized buoy platform of Claim 1 wherein the device and/or at least one of the stabilization heads, cameras, sensors or tools can be operated from a remote location via wire or wireless control.

Claim 8. (Amended) The stabilized buoy platform of Claim 1 wherein the device and/or at least one of the stabilization heads, cameras, sensors or tools can be operated from a remote location via wire or wireless control. by at least one of a human or a computer.

Claim 9. (Amended) The stabilized buoy platform of Claim 1 wherein the device and/or at least one of the stabilization heads, cameras, sensors or tools can be operated from the buoy by direct control of at least one of a human operator or a computer stationed on the buoy platform.

Claim 10. (Amended) The stabilized buoy platform of Claim 1 wherein the device and/or tools are sensors and

- (a) a computer recognizes movement within the stabilized sensor image; and
- (b) the computer sends signals to the stabilizer and/or camera which control the stabilizer and/or camera to track the movement of the object seen within the stabilized image.

Claim 11. (Amended) The stabilized buoy platform of claim 10 wherein at least one of the <u>camera</u>, <u>sensor</u>, <u>or tools</u> device and/or tools take an action based upon the commands from a person or a computer.

Claim 12 – 16. (Withdrawn)

Claim 17. (Amended) The stabilized buoy platform of Claim 1 wherein the means for movement of the stabilizing head of the frame sections in relation to each other is accomplished by at least one of any singular type or plurality of types of actuators including but not limited to linear actuators, motors and gears, magnets or hydraulics.

Claim 18. (Withdrawn)

Claim 19. (Original) The stabilized platform of Claim 1 wherein the stabilized platform can be separated from the buoy platform, disassembled or folded to become a portable

stabilization platform, which can rest on, or be attached to any moving object where stabilization is required.

Claim 20. (Original) The stabilized buoy platform of Claim 1 wherein motor brakes are attached to the moving shafts to prevent unwanted shaft motion should the power be shut off or fail.

Claim 21. (New) The stabilized buoy platform of claim 1 wherein the tool can undertake at least one physical operation.

Claim 22. (New) The stabilized buoy platform of Claim 1 wherein at least one of the cameras, sensors or tools is mounted on at least one of the stabilizing heads and the computer interprets camera and sensor imagery and causes at least one of,

- (a) controlling at least one of the stabilizer head, camera, sensor or tools to track the movement of an object.
- (b) controlling at least one of the cameras, sensors or tools to take an action,
- (c) controlling at least one of the stabilizer head, camera, sensor or tools by wired or wireless control.
- (d) controlling at least one of the stabilizer head, camera, sensor or tools by wired or wireless control from a remote location.

Claim 23. (New) The stabilized buoy platform of Claim 1 wherein at least one of the cameras, sensors or tools is used for at least one of surveillance, security or protection.

Claim 24. (New) A stabilizing platform comprising;

- (a) at least one of a camera, sensor, tool or device mounted above the water, and
- (b) at least one of a camera, sensor tool or device mounted below the water, and
- (c) at least one of the cameras, sensors, tools or devices is stabilized.

Claim 25. (New) The stabilized platform of claim 24 wherein the distance of the camera, sensor or tool above the water can be varied by adjusting at least one of a jack screw, hydraulic piston, or components that would determine height.

Claim 26. (New) The stabilized platform of claim 24 comprising at least one of,

(a) an extension arm extends into the water to which is mounted an underwater sensor and/or device

(b) an extension arm with at least one of a piston, or extension/retraction mechanism to which is mounted an underwater sensor and/or device, wherein

(c) the sensor and/or device stays is stabilized in the water.

Claim 27. (New) The stabilized platform of claim 1 wherein there is at least one of ground tackle or an anchoring system.

Claim 28. (New) The stabilized platform of claim 1 wherein a propulsion unit can move the buoy on the water to various locations.

Claim 29. (New) The stabilized platform of claim 1 wherein the outer shell includes shock absorbing materials.

Claim 30. (New) The method of stabilizing at least one or more of a camera, sensor or tool on a buoy comprising the steps of;

- (a) mounting at least one active stabilizing head on a buoy,
- (b) mounting at least one camera, sensor, tool to be stabilized, on the stabilizing head
- (c) stabilizing at least one of the camera, sensor or tool, and
- (d) providing control of the tool wherein a task is undertaken.

Claim 31 (New) The method of claim 30 wherein the task that is undertaken is a physical operation.

Claim 32 (New) The method of claim 30 and

- (a) placing a man on at least one of the buoy or of the stabilizing head, and
- (b) providing the man control of at least one of the camera, sensor or tool, and
- (c) wherein a task is undertaken.

Claim 33. (New) The method of claim 30 and

- (a) providing at least one of a transmitter or receiver, and
- (b) using or wired or wireless means, operating at least one of a camera, sensor, device and/or tool from a remote location.

Claim 34. (New) The method of claim 30 and controlling the tool wherein the tool undertakes a physical operation which is linked to the ability of at least one of the camera, sensor or device to capture images, sound, move to different locations or initiate physical operations using tools or devices aboard the buoy.

Claim 35. (new) The method of fighting a fire comprising;

- (a) mounting at least one stabilizing head on a buoy,
- (b) mounting at least one camera, sensor, or tool to be stabilized, on the stabilizing head
- (c) stabilizing at least one of the camera, sensor or tool, and
- (d) the tool is at least one of a firefighting tool or fire hose.

Claim 36. (New) The method of claim 35 wherein there is the step of keeping the stabilized buoy platform cool with a shower-like stream of water.

END OF CLAIM AMENDMENTS.

SUPPORT FOR CLAIM AMENDMENTS:

Amended claims shown and then support.

Claim 1. (Amended) A stabilized buoy platform comprising:

- . (a) a buoy, float having a support platform for mounting a stabilized platform on the buoy float
- (b) at least one or more active stabilizing heads are mounted to the buoy; a stabilizing system mounted on the platform for stabilizing a singular or a plurality of devices and/or tools from the movement of the buoy float in one, two or three axis which include pitch, roll and azimuth; and
- (c) at least one device which includes at least one of a camera, illumination device, sensor, or tool mounted on at least one stabilizing head and stabilized from the movements of the buoy, and

(d) wherein the sensor tools is not an antenna with canted arm stabilization.

SUPPORT: Original Claim 1 adds the word "active" to the description of the stabilizing head and which is described in paragraphs 0005, 0010, 0011 relating to Grober 6,611,662 which is an active stabilizing head versus a passive stabilizing head such as found in Dodge U.S. Pat. No. 4,626,852.) and (d) avoids prior art of Royalty by excluding antenna with **canted** arm stabilization. However Grober submits in his Claims Discussion that Royalty should not be considered prior art and limitation (d) should not be required. "Stabilization platform" has been changed to "Stabilization Head" to avoid confusion with the entire invention as a stabilized platform.

Claim 2. (Amended) The stabilized buoy platform of claim 1 wherein a

second device which includes at least one of a camera, sensor, illumination device or tool is integrated, combined or linked with at least one stabilized device. the device is an image receiving device.

SUPPORT: Abstract: "cameras and sensor systems **integrated** with the appropriate illumination technology." Paragraph 0003 "additionally the invention related to the **combined** self leveling and self correcting capabilities of keeping the supported objects stable on a buoy platform." Paragraph 0006 "tools to undertake a variety of physical operations which are **linked** to the ability ..."

Claim 3. (Amended) The stabilized buoy platform of claim 2 wherein the operation of at least two of the devices are integrated, combined or linked with each other to accomplish at least one of;

- (a) a physical operation or
- (b) sensing with at least one of a camera, sensor, thermal imager, infrared sensor and GPS.

The stabilized buoy platform of claim 1, wherein the image receiving device is selected from the group comprising a camera, sensor, thermal imager, infrared sensor and GPS.

SUPPORT: Paragraph 0006. "Different embodiments would also include "tools" to undertake a variety of physical operations which are linked to the ability ..."

Claim 4 (Amended) The <u>stabilized buoy platform of claim 1 wherein at least one</u>

illumination device emits light or radiation in one or more spectrums or frequencies, and

at least one camera or sensor utilizes the illumination in the act of photographing or sensing, and

at least one of the cameras, sensors or illuminators is mounted on a stabilizing head.

The stabilized platform of claim 1 wherein the device and/or tools emit or projects light,

illumination or radiation in various spectrums or frequencies.

SUPPORT: Combines original claim 4 and the Abstract "Affixed to the stabilized payload platform are sensors and tools which include cameras and sensor systems integrated with the appropriate illumination technology ..."

Claim 5. (Amended) The stabilized buoy platform of Claim 1 wherein the device and/or tools emits or projects particles of physical mass including, at least one of but not limited to; water, chemicals, paints, solvents, sand, rock or other projectiles.

SUPPORT: Abstract: "The invention also provides for other species of objects and tools, applicable in surveillance, security, protection and tasks where tools need to be stabilized to perform their intended functions." The functions of security and protection arguably include the ability to project particles of mass. Water and projectiles are commonly used for security and protection. Original claim 6 includes a gun and describes "shooting". FIG 1, FIG 2 and FIG 8 show stabilized water hoses, paint spray guns and reservoir containers containing physical mass to be emitted or projected.

The examiner under Election/Restrictions states that the applicant does not have sufficient disclosure in the specification to support a claim of a sensor which emits paint. The inventor responds that a key element of this patent is that sensors and tools in combination accomplish tasks and operations from a buoy. Please see "INVENTORS DISCUSSION OF EXAMINER'S COMMENTS."

Claim 6 (amended) The stabilized buoy platform of claim 1 wherein the device and/or tools are but not limited to; at least one of a paint brush, drill, welding iron and/or gun, and can accomplish—undertake tasks which are but not limited to; include at least one of; painting, drilling, welding, sand blasting, and/or shooting, fire extinguishing, spraying with water, or spraying with chemicals.

SUPPORT: Original claim 6. Used the word "undertake" which is found in paragraph 0006. Rewording in accordance with the examiner's remarks on "but not limited to". Fire extinguishing is described in paragraph 0008. Spraying is shown in FIG 8 and Fire extinguishing

is shown in FIG 1. Chemicals is described in original claim 5. "water, chemicals, paints, solvents, sand, rock or other projectiles."

The Examiner under Election/Restrictions states that the applicant does not have sufficient disclosure in the specification to support a claim of a sensor which emits paint. The inventor responds that a key element of this patent is that sensors and tools in combination accomplish tasks and operations from a buoy. Please see "INVENTORS DISCUSSION OF EXAMINER'S COMMENTS."

Claim 7. (Amended) The stabilized buoy platform of Claim 1 wherein the device and/or at least one of the stabilization heads, cameras, sensors or tools can be operated from a remote location via wire or wireless control.

SUPPORT: Original claim 7. Replace "devices" with items found in the original application and the clarification of "stabilization head" discussed in claim 1 support. Examiner comment on not reasonably providing enablement for remotely controlling. FIG 1 specification is amended and contains significant support.

Claim 8. (Amended) The stabilized buoy platform of Claim 1 wherein the device and/or at least one of the stabilization heads, cameras, sensors or tools can be operated from a remote location via wire or wireless control, by at least one of a human or a computer.

SUPPORT: Original claim 8. Replace "devices" with items found in the original application and the clarification of "stabilization head" discussed in Claim 1 support.

Claim 9. (Amended) The stabilized buoy platform of Claim 1 wherein the device and/or at least one of the stabilization heads, cameras, sensors or tools can be operated from the buoy by direct control of at least one of a human operator or a computer stationed on the buoy platform.

SUPPORT: Original claim 9. Replace "devices" with items found in the original application and the clarification of "stabilization head" discussed in claim 1 support.

Claim 10. (Amended) The stabilized buoy platform of Claim 1 wherein the device and/or tools are sensors and

- (a) a computer recognizes movement within the stabilized sensor image; and
- (b) the computer sends signals to the stabilizer and/or camera which control the stabilizer and/or camera to track the movement of the object seen within the stabilized image.

SUPPORT: Original claim 10. Reworded for clarity.

Claim 11. (Amended) The stabilized buoy platform of claim 10 wherein at least one of the <u>camera</u>, <u>sensor</u>, <u>or tools</u> device and/or tools take an action based upon the commands from a person or a computer.

SUPPORT: Original claim 11 with wording modification inserting camera, sensor or tools found in original application and removing "device and/or" for clarity.

Claim 12 - 13 (Withdrawn)

Claim 17. (Amended) The stabilized buoy platform of Claim 1 wherein the means for movement of the stabilizing head of the frame sections in relation to each other is accomplished by at least one of any singular type or plurality of types of actuators including but not limited to linear actuators, motors and gears, magnets or hydraulics.

SUPPORT: Clarifies the stabilizing head as stated in support of Claim 1. Addressed examiner's comments on the wording "including but not limited to."

Claim 18. (Withdrawn)

Claim 19. The stabilized platform of Claim 1 wherein the stabilized platform can be separated from the buoy platform, disassembled or folded to become a portable stabilization platform, which can rest on, or be attached to any moving object where stabilization is required.

Claim 20. The stabilized buoy platform of Claim 1 wherein motor brakes are attached to the moving shafts to prevent unwanted shaft motion should the power be shut off or fail.

Claim 21. (New) The stabilized buoy platform of claim 1 wherein the tool can undertake at least one physical operation.

SUPPORT: Paragraph 0006. "Different embodiments would also include "tools" to undertake a variety of physical operations. .."

Claim 22. (New) The stabilized buoy platform of Claim 1 wherein at least one of the cameras, sensors or tools is mounted on at least one of the stabilizing heads and the computer interprets camera and sensor imagery and causes at least one of,

- (a) controlling at least one of the stabilizer head, camera, sensor or tools to track the movement of an object.
- (b) controlling at least one of the cameras, sensors or tools to take an action.
- (c) controlling at least one of the stabilizer head, camera, sensor or tools by wired or wireless control.
- (d) controlling at least one of the stabilizer head, camera, sensor or tools by wired or wireless control from a remote location.

SUPPORT: Paragraph 0007 "computers are being relied upon to interpret camera and sensor imagery ..." Paragraph 0006 "It is desirable for security and surveillance reasons to illuminate and track objects from a buoy, aiding human and computers to recognize, identify and track objects within the sensor's field of view. Original claim 7: The stabilized buoy platform of

Claim 1 wherein the device and/or tools can be operated from a remote location via wire or wireless control. Paragraph 0035: "In one embodiment, the operator 15 is stationed at a remote location such as on a nearby boat 16. The operator views the transmitted image 18, and utilizes a control panel 17 to remotely control the stabilization system, the tool, and the camera system."

Claim 23. (New) The stabilized buoy platform of Claim 1 wherein at least one of the cameras, sensors or tools is used for at least one of surveillance, security or protection.

SUPPORT: Abstract: "The invention also provides for other species of objects and tools, applicable in surveillance, security, protection and tasks where tools need to be stabilized to perform their intended functions."

Claim 24. (New) A stabilizing platform comprising;

- (a) at least one of a camera, sensor, tool or device mounted above the water, and
- (b) at least one of a camera, sensor tool or device mounted below the water, and
- (c) at least one of the cameras, sensors, tools or devices is stabilized.

SUPPORT: FIG 6 and corresponding description paragraph 0045. Paragraph 0017 including "the stabilized platform can move and stabilize the payload plate 360 degrees in two orthogonal axes, thus providing global surveillance around the buoy platform. This includes above the water using air based sensors such as cameras, and simultaneously below the water using underwater sensors such as cameras, sonar or other relevant sensors."

Paragraph 0018 including. "The result is that the invention is able to stabilize sensors and devices on the top stabilized plate as well as sensors and devices on the lower stabilized plate which can be extended into the water. In a surveillance mode, this would allow surveillance above the horizon with sensors such as cameras, and surveillance below the surface with devices such as sonar."

Claim 25. (New) The stabilized platform of claim 24 wherein the distance of the camera, sensor or tool above the water can be varied by adjusting at least one of a jack screw, hydraulic piston, or components that would determine height.

SUPPORT: Paragraph 0030. "The distance of the tool above the water can be varied by adjusting components that would determine height and may include the use of a jack screw as an element of base plate 4." Paragraph 0018, "A further actuating mechanism, such as a hydraulic piston located in the extension arm the projects downward below the location of the pitch and roll axis, can compensate for rise and fall of the buoy platform to the extent of the piston arm extension in the lower section. This would keep a sensor, such as a sub surface sensor at a fixed level, for instance 1 foot below the surface."

Claim 26. (New) The stabilized platform of claim 24 comprising at least one of,

- (a) an extension arm extends into the water to which is mounted an underwater sensor and/or device,
- (b) an extension arm with at least one of a piston, or extension/retraction mechanism to which is mounted an underwater sensor and/or device, wherein
 - (c) the sensor and/or device stays is stabilized in the water.

SUPPORT: Paragraph 0045: "Fig 6. Figure 6 shows the stabilization system of Figure 5. An extension arm 152 is attached to axis 63 below axis pivot 69. ... Inside extension arm 152 is a piston mechanism 158 which can move up or down to further keep the sensor 154 at a determined level beneath the water surface."

Paragraph 0018 describes stabilizing sensors and devices above and below the water; "an extension arm which projects downward ... The result is that the invention is able to stabilize sensors and devices on the top stabilized plate as well as sensors and devices on the lower stabilized plate which can be extended into the water."

· Claim 27. (New) The stabilized platform of claim 1 wherein there is at least one of ground tackle or an anchoring system.

SUPPORT: Paragraph 0033. Ground tackle or anchoring system 9, may include some of all of the following; windlass (anchor winch) line, chain and an anchor, and is capable of securing the buoy at a fixed geographical location on the water."

Claim 28. (New) The stabilized platform of claim 1 wherein a propulsion unit can move the buoy on the water to various locations.

SUPPORT: FIG 1 #12. Paragraph 0034 "an optional propulsion unit 12 can move the buoy on the water to various locations..

Claim 29. (New) The stabilized platform of claim 1 wherein the outer shell includes shock absorbing materials.

SUPPORT: Paragraph 0028; "The outer shell is preferably of a shock absorbing material ..."

Claim 30. (New) The method of stabilizing at least one or more of a camera, sensor or tool on a buoy comprising the steps of:

- (a) mounting at least one active stabilizing head on a buoy,
- (b) mounting at least one camera, sensor, tool to be stabilized, on the stabilizing head
- (c) stabilizing at least one of the camera, sensor or tool, and
- (d) providing control of the tool wherein a task is undertaken.

SUPPORT: FIG 1 shows all aspects of this claim. Amended Claim 1 contains all aspects of this claim. Royalty U.S. Pat. No.6,859,185 is discussed as not being prior art in INVENTOR'S DISCUSSION of EXAMINER'S COMMENTS.

Claim 31 (New) The method of claim 30 wherein the task that is undertaken is a physical operation.

SUPPORT: Paragraph 0006. "Different embodiments would also include "tools" to undertake a variety of physical operations. .." Royalty U.S. Pat. No.6,859,185 is discussed as not being prior art in INVENTOR'S DISCUSSION of EXAMINER'S COMMENTS. Royalty also does not undertake a physical operation with his antenna.

· Claim 32 (New) The method of claim 30 and

- (d) placing a man on at least one of the buoy or of the stabilizing head, and
- (e) providing the man control of at least one of the camera, sensor or tool, and
- (f) wherein a task is undertaken.

SUPPORT: Figure 8 and its specification paragraph 0047. "FIG. 8 shows the buoy platform of FIG 2 with the buoy platform enlarged to accommodate a man 41, sitting upon a stabilized seat 43, using the a paint spray gun tool 46 which is attached by hose 51a to paint reservoir 52a. The man is shown painting the side of ship 48. The man can also use the stabilized paint gun tool 40, which is attached by hose 51 to paint reservoir 52a. Camera 5 is attached to paint spray gun tool 46.

Claim 33. (New) The method of claim 30 and

- (a) providing at least one of a transmitter or receiver, and
- (b) using or wired or wireless means, operating at least one of a camera, sensor, device and/or tool from a remote location.

SUPPORT: Original claim 7: "The stabilized buoy platform of Claim 1 wherein the device and/or tools can be operated from a remote location via wire or wireless control."

Paragraph 0035: "In one embodiment, the operator 15 is stationed at a remote location such as on a nearby boat 16. The operator views the transmitted image 18, and utilizes a

control panel 17 to remotely control the stabilization system, the tool, and the camera system." Claim 10. ... (b) the computer sends signals to the stabilizer and/or camera which control the stabilizer and/or camera to track the movement of the object seen within the stabilized image.

Claim 34. (New) The method of claim 30 and controlling the tool wherein the tool undertakes a physical operation which is linked to the ability of at least one of the camera, sensor or device to capture images, sound, move to different locations or initiate physical operations using tools or devices aboard the buoy.

SUPPORT: Paragraph 0006: "Different embodiments would also include "tools" to undertake a variety of physical operations which are linked to the ability of Grober 10/236,847 to capture images and sound, move to different locations and initiate physical operations using equipment onboard the buoy."

Claim 35. (new) The method of fighting a fire comprising;

- (a) mounting at least one stabilizing head on a buoy,
- (b) mounting at least one camera, sensor, or tool to be stabilized, on the stabilizing head
 (c) stabilizing at least one of the camera, sensor or tool, and
- (d) the tool is at least one of a firefighting tool or fire hose.

SUPPORT: Paragraph 0015: "... a low profile buoy, such as the remote controlled buoy in Grober 10/236,847 can approach a fire, easily keep its circular shape cool with a shower-like stream of water, keep cameras trained on the fire, and use water cannon mounted on the stabilizer to pump water or chemical retardants into flames.

Paragraph 0016. The stabilized cameras and water/chemical cannons would provide accurate aim and maximum effectiveness in relation to non-stabilized systems. In situations

where the burning mass, such as a floating pool of oil must be separated or split up into sections to effectively fight the fire, a stabilized water cannon can be accurately aimed and utilized.

on fire fighting.

Claim 36. (New) The method of claim 35 wherein there is the step of keeping the stabilized buoy platform cool with a shower-like stream of water.

SUPPORT: Paragraph 0015: "... a low profile buoy, such as the remote controlled buoy in Grober 10/236,847 can approach a fire, easily keep its circular shape cool with a shower-like stream of water.

END OF SUPPORT FOR CLAIM AMENDMENTS